

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

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U.S. PATENT & TRADEMARK OFFICE

ATTY. DKT. NO. 5659-06100

APPLICANT: Vinegar et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,194

GROUP: 3672

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).
	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages).
	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).
	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).
	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).
	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages).
	T19	Vogel et al. "An Analog Computer for Studying Heat Transfer during a Thermal Recovery Process," AIME Petroleum Transactions, 1955 (pages 205-212).
*	T20	"SKIFEROLJA GENOM UPPVARMNING AV SKIFFERBERGET," Faxin Department och Namder, 1941, (3 pages).
*	T21	"Aggregeringens orsaker och ransoneringen grunder", Av director E.F.Cederlund i Statens livsmedelskommission (1 page).—
*	T22	Ronnby, E. "KVARNTORP Sveriges Storsta skifferoljeindustri," 1943, (9 pages).—
G9	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).
	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages).
	T25	Hedback, T. J., The Swedish Shale as Raw Material for Production of Power, Oil and Gas," Xith Sectional Meeting World Power Conference, 1957 (9 pages).
	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English.
	T27	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 1955 Vol. 2, (146 pages) English.
	T28	"Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English
	T29	Helander, R.E., "Santa Cruz, California, Field Test of Carbon Steel Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.
	T30	Helander et al., Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery" 1959, (86 pages) English.
	T31	SSAB report, "Bradford Residual Oil, Athabasca Ft. McMurray" 1951, (207 pages), partial translation.
G9	T32	"Lins Burner Test Results-English" 1959-1960.
*	T33	SSAB "Annual Reports, SSAB Laboratory, Address Annually Issues-Shale and Ash, Oil, Gas Analytical", 1953-1954, (166 pages). Swedish.—
*	T34	SSAB report, "Financial Matter, Swedish taxes, etc.," 1960-1961 (37 pages). Swedish.—

* not in compliance with MPEP Section 609

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EXAMINER: George Suchfield

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T35	SSAB report, "General Mining," 1959-1979 (13 pages). Swedish
T36	SSAB report, "Cost Comparison of Mining and Processing of Shale and Dolomite Using Various Production Alternatives," 1960, (64 pages). Swedish
T37	SSAB report, "Assessment of Future Mining Alternatives of Shale and Dolomite," 1962, (59 pages) Swedish
T38	SSAB report, "Kartong 2-Shale: Ljungstromsanlagningen" (104 pages) Swedish
GS	T39 SAAB, "Photos", (18 pages).
T40	SAAB report, "Swedish Geological Survey Report, Plan to Delinicate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish
T41	SAAB report, "Recovery Efficiency," 1941, (61 pages). Swedish
T42	SAAB report, "Geologic Work Conducted to Assess Possibility of Expanding Shale Mining Area in Kvarntorp; Drilling Results, Seismic Results," 1942 (79 pages). Swedish
T43	SSAB report, "Ojematinigar vid Norrtorp," 1945 (141 pages).
T44	SSAB report, "Inhopplingschema, Norrtorp II 20/3-17/8", 1945 (50 pages). Swedish
T45	SSAB report, "Secondary Recovery after LINS," 1945 (78 pages).
T46	SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish
T47	SSAB report, "Styrhseprotocholl," 1943 (10 pages). Swedish
T48	SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish
T49	SSAB report, "Analysis of Ljunstrom Oil and its Use as Liquid Fuel," Thesis by E. Pals, 1949 (83 pages). Swedish
T50	SSAB report, "Environmental Sulphur and Effect on Vegetation," 1951 (50 pages). Swedish
T51	SSAB report, "Tar Sands", Vol 135 1953 (20 pages, pages 12-15 translated). Swedish
T52	SSAB report, "Assessment of Skanes Area (Southern Sweden) Shales as Fuel Source," 1954 (54 pages). Swedish
T53	SSAB report, "From as Utv Dn Text Geology Reserves," 1960 (93 pages). Swedish
T54	SSAB report, "Kvarntorps Environmental Area Assessment," 1981 (50 pages). Swedish

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OTHER ART

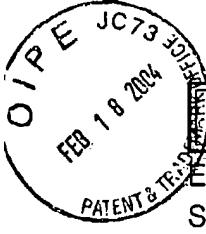
EXAM. INITIALS	REF. DES.	OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)
GG	AA11	Van Krevelen, D. W.; COAL: Typology-Physics-Chemistry-Constitution, 1993, p. 371.

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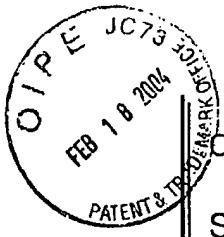
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Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION TO CONVERT A SELECTED TOTAL ORGANIC CARBON CONTENT INTO HYDROCARBON PRODUCTS																																																																																																				
<p>Application Number: 09/841194</p> <p>Confirmation Number: 4736</p> <p>First Named Applicant: Harold Vinegar</p> <p>Attorney Docket Number: 5659-06100</p> <p>Art Unit: 3672</p> <p>Examiner: George A Suchfield</p> <p>Search string: (4931171 or 4737267 or 4384948 or 3593790 or 3497000 or 3244231 or 3223166 or 3947656 or 3165154 or 4458757 or 4006778).pn.</p>																																																																																																					
<h3>US Patent Documents</h3> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>G9</td><td>1</td><td>4931171</td><td>1990-06-05</td><td>Piotter</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4737267</td><td>1988-04-12</td><td>Pao et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>4384948</td><td>1983-05-24</td><td>Barger</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3593790</td><td>1971-07-20</td><td>Herce</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>3497000</td><td>1970-02-24</td><td>Hujsak et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>3244231</td><td>1966-04-05</td><td>Grekel et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>3223166</td><td>1965-12-14</td><td>Hunt et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>3947656</td><td>1976-03-30</td><td>Lodi</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>3165154</td><td>1965-01-12</td><td>Santourian</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>4458757</td><td>1984-07-10</td><td>Bock et al.</td><td></td><td></td><td></td></tr><tr><td>G9</td><td>11</td><td>4006778</td><td>1977-02-08</td><td>Redford et al.</td><td></td><td></td><td></td></tr></tbody></table>						init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	G9	1	4931171	1990-06-05	Piotter					2	4737267	1988-04-12	Pao et al.					3	4384948	1983-05-24	Barger					4	3593790	1971-07-20	Herce					5	3497000	1970-02-24	Hujsak et al.					6	3244231	1966-04-05	Grekel et al.					7	3223166	1965-12-14	Hunt et al.					8	3947656	1976-03-30	Lodi					9	3165154	1965-01-12	Santourian					10	4458757	1984-07-10	Bock et al.				G9	11	4006778	1977-02-08	Redford et al.			
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Remarks

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Other art will be sent on a Form PTO-1449

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